

Table 1. 1998 Summary Statistics

Item	Value	U.S. Rank	Item	Value	U.S. Rank
NERC Region(s)			ECAR Importer		
Net Exporter or Importer			Coal		
Primary Generating Fuel			Capability (MW)	26,768	7
Population (as of 7/98)	11,237,752	7	Generation (MWh)	146,448,159	4
Average Electricity Price (cents/kWh) ^a	6.38	29	Average Age of Plants (years)		
Industrial	4.30	25	Coal-fired	29	
Commercial	7.67	35	Petroleum-fired	24	
Residential	8.70	36	Gas-fired	16	
Industry			Nuclear	15	
Capability (MW)	27,095	7	Hydroelectric	15	
Generation (MWh)	147,943,088	5	Renewable	15	
Capability/person (KWe/person)	2.41	37	Nonutility		
Generation/person (MWh/person)	13.16	28	Capability (MW)	328	38
Emissions (Thousand Short Tons)			Share of Capability (Percent) ...	1.2	44
Sulfur Dioxide	1,316	1	Generation (MWh)	1,494,929	36
Nitrogen Oxide	535	2	Share of Generation (Percent) ...	1	44
Carbon Dioxide	133,274	2			
Sulfur Dioxide/sq. mile (Tons)	32.12	2			
Nitrogen Oxides/sq. mile (Tons)	13.06	2			
Carbon Dioxide/sq. mile (Tons)	3,254.30	8			

Table 2. Five Largest Plants, 1998

Plant	Energy Source ^b	Operating Company	Net Capability (MW)	Age (Years)
1. Gen J M Gavin	Coal	Ohio Power Co	2,600	24
2. J M Stuart	Coal	Dayton Power & Light Co	2,350	29
3. W H Sammis	Coal	Ohio Edison Co	2,233	39
4. Conesville	Coal	Columbus Southern Power Co	1,925	41
5. Cardinal	Coal	Cardinal Operating Co	1,800	31

**Table 3. Top Five Utilities Ranked by Retail Sales Revenue Within the State, 1998
(Million Dollars)**

Utility	All Sectors	Residential	Commercial	Industrial	Other
A. Ohio Edison Company	1,980	796	613	564	7
B. Cleveland Electric Illum Co	1,699	573	606	501	18
C. Ohio Power Company	1,391	426	276	680	8
D. Cincinnati Gas & Electric Co	1,203	489	354	280	81
E. Columbus Southern Power Co	1,000	440	394	148	17
Total	7,272	2,725	2,243	2,173	131
Percentage of Utility Sales	71	70	76	69	57

**Table 4. Electric Power Industry Generating Capability by Plant Type, 1988, 1993, and 1998
(Megawatts Electric)**

Plant Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	25,703	27,186	26,768	0.5	98.7	98.8	98.8
Coal-fired	21,910	23,147	22,456	0.3	84.1	84.1	82.9
Petroleum-fired	1,046	873	771	-3.3	4.0	3.2	2.8
Gas-fired	78	492	492	22.7	0.3	1.8	1.8
Dual-fired	419	419	793	7.4	1.6	1.5	2.9
Nuclear	2,041	2,042	2,042	*	7.8	7.4	7.5
Hydroelectric	120	124	123	0.3	0.5	0.4	0.5
Renewable	90	90	90	*	0.3	0.3	0.3
Total Nonutility	342	333	328	-0.5	1.3	1.2	1.2
Industry	26,046	27,519	27,095	0.4	100.0	100.0	100.0

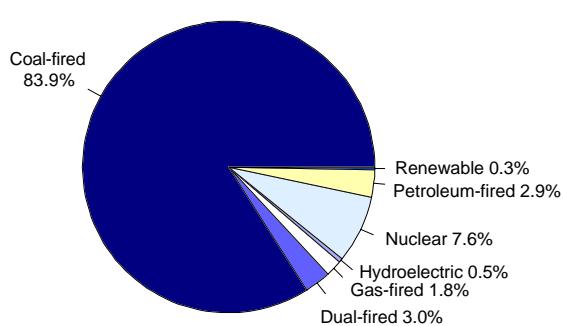
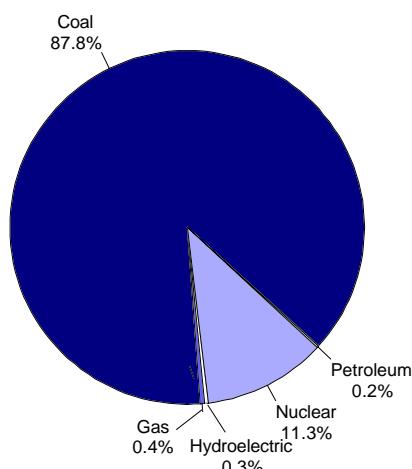
Figure 1. Utility Generating Capability by Plant Type, 1998**Figure 2. Utility Generation by Primary Energy Source, 1998**

Table 5. Electric Power Industry Generation of Electricity by Primary Energy Source, 1988, 1993, and 1998
(Megawatthours)

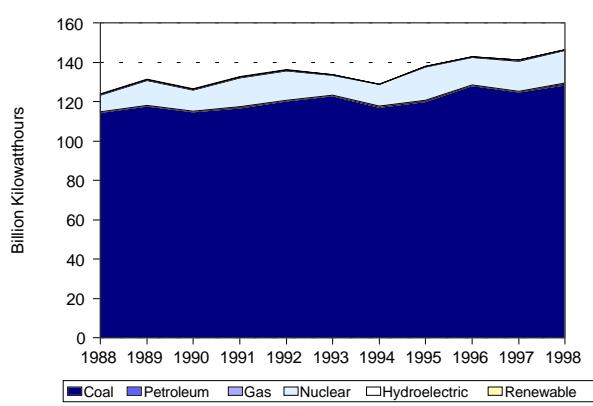
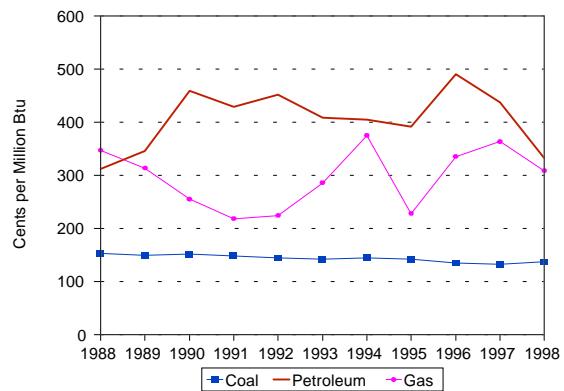
Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Total Utility	124,034,200	133,735,428	146,448,159	1.9	98.7	98.9	99.0
Coal	114,563,697	123,024,655	128,696,073	1.3	91.2	91.0	87.0
Petroleum	415,115	276,037	351,408	-1.8	0.3	0.2	0.2
Gas	63,421	176,872	518,519	26.3	0.1	0.1	0.4
Nuclear	8,454,531	10,010,661	16,475,732	7.7	6.7	7.4	11.1
Hydroelectric	186,862	183,069	406,427	9.0	0.1	0.1	0.3
Renewable	350,573	64,134	--	--	0.3	*	--
Total Nonutility	1,581,506	1,509,209	1,494,929	-0.6	1.3	1.1	1.0
Industry	125,615,706	135,244,637	147,943,088	1.8	100.0	100.0	100.0

Table 6. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988, 1993, and 1998
(Cents per Million Btu, 1998 Dollars)

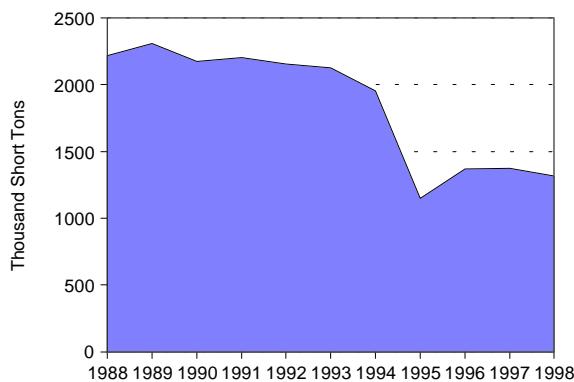
Fuel	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Coal	152.2	141.3	136.5	-1.2
Petroleum	311.7	407.4	332.6	0.7
Gas	346.5	285.6	308.4	-1.3

Table 7. Electric Power Industry Emissions Estimates, 1988, 1993, and 1998
(Thousand Short Tons)

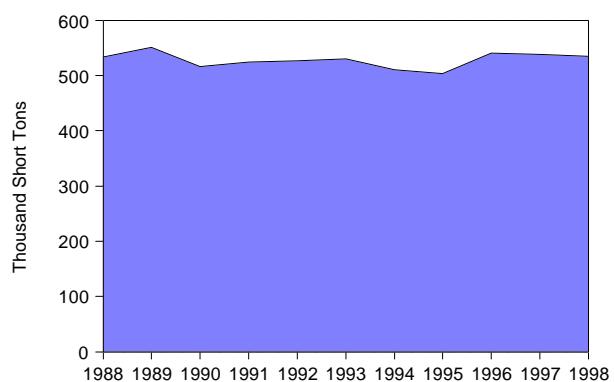
Emission Type	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)
Sulfur Dioxide	2,216	2,125	1,316	-5.6
Nitrogen Oxides ^c	534	530	535	*
Carbon Dioxide ^c	118,793	126,043	133,274	1.3

Figure 3. Utility Generation of Electricity by Primary Energy Source, 1988-1998**Figure 4. Utility Delivered Fuel Prices for Coal, Petroleum, and Gas, 1988-1998**
(1998 Dollars)

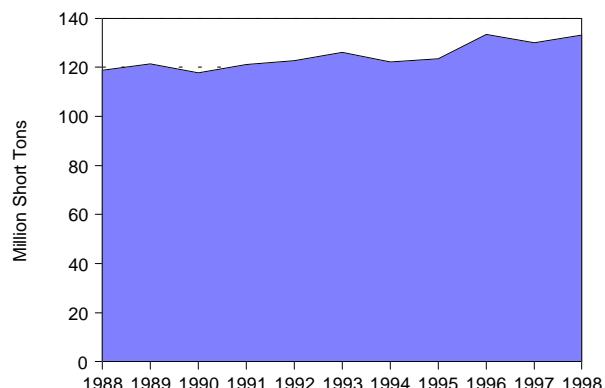
**Figure 5. Estimated Sulfur Dioxide Emissions,
1988-1998**



**Figure 6. Estimated Nitrogen Oxide Emissions,
1988-1998**

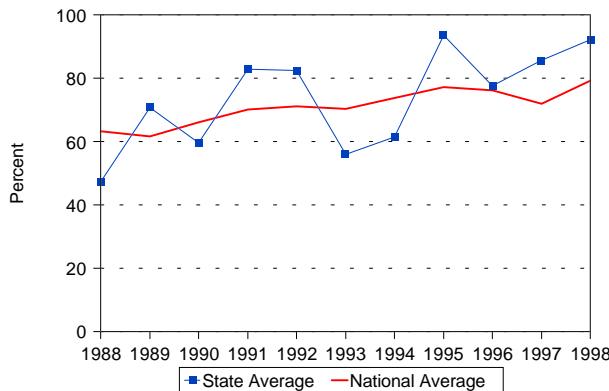


**Figure 7. Estimated Carbon Dioxide Emissions,
1988-1998**



**Table 8. Utility Retail Sales by Sector, 1988, 1993, and 1998
(Megawatthours)**

Sector	1988	1993	1998	Annual Growth Rate 1988-1998 (Percent)	Percentage Share 1988	Percentage Share 1993	Percentage Share 1998
Residential . . .	38,713,181	41,950,456	44,516,171	1.6	28.8	28.2	27.9
Commercial . .	29,004,294	33,298,608	38,471,813	3.2	21.6	22.4	24.1
Industrial	62,238,088	68,831,023	72,998,337	1.8	46.3	46.3	45.7
Other	4,360,451	4,490,578	3,806,855	-1.5	3.3	3.0	2.4
Total	134,316,009	148,570,665	159,793,176	1.9	100.0	100.0	100.0

Figure 8. Nuclear Power Capacity Factor Comparison, 1988-1998**Table 9. Utility Retail Sales Statistics, 1988, 1993, and 1998**

Item	Investor-Owned	Public	Federal	Cooperative	Total
	1988				
Number of Utilities	9	84	--	28	121
Number of Retail Customers	4,060,145	290,975	--	251,912	4,603,032
Retail Sales (MWh)	124,502,913	5,723,659	--	4,089,437	134,316,009
Percentage of Retail Sales	92.7	4.3	--	3.0	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	9,006	423	--	338	9,767
Percentage of Revenue	92.2	4.3	--	3.5	100.0
1993					
Number of Utilities	9	85	--	27	121
Number of Retail Customers	4,260,946	315,925	--	281,266	4,858,137
Retail Sales (MWh)	136,241,817	7,455,762	--	4,873,086	148,570,665
Percentage of Retail Sales	91.7	5.0	--	3.3	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	9,350	481	--	342	10,173
Percentage of Revenue	91.9	4.7	--	3.4	100.0
1998					
Number of Utilities	9	85	--	26	120
Number of Retail Customers	4,464,892	355,672	--	319,761	5,140,325
Retail Sales (MWh)	144,971,872	9,057,309	--	5,763,995	159,793,176
Percentage of Retail Sales	90.7	5.7	--	3.6	100.0
Revenue from Retail Sales (million 1998 dollars) ^d	9,276	552	--	369	10,198
Percentage of Revenue	91.0	5.4	--	3.6	100.0